IN THE CLAIMS

Please cancel claims 11-13.. Please amend claim 4.

1. (Previously Canceled)

2. (Previously Canceled)

3. (Previously Canceled)

4. (Currently Amended) A process for forming a hydrogen storage material comprising:

providing a sodium aluminum hydride;

mixing about ~~1~~ 0.5%/wt to about [4] 5.0%/wt of titanium to said sodium aluminum hydride; and,

supplying a combination of heat and pressure in the presence of hydrogen gas sufficient to melt said sodium aluminum hydride and titanium mixture, thereby providing a fused hydrogen storage material having a hydrogen release point at normal atmospheres of between about 50°C to about 90°C.

5. (Previously Amended) A process of forming a hydrogen storage material comprising:

supplying at least one complex hydride;

mixing with said complex hydride a dopant selected from the group consisting of titanium, zirconium, vanadium, iron, cobalt, nickel, lanthanum, and mixtures thereof;

subjecting said mixture of complex hydride and said dopant under pressure in the presence of hydrogen gas;

raising the temperature of said mixture of said complex hydride and said dopant and said hydrogen gas to a melting point of said complex hydride; and,

maintaining said heat and pressure for a time sufficient to form a fused product, wherein said fused product has a reversible ability to store and release hydrogen.

J. Bennett Mullinax, LLC
P O Box 26029
Greenville, SC 29616-1029
(V) 864 987 9696
(F) 864 987 9686

6. (Previously Added) The process according to claim 5 wherein said at least one complex hydride is sodium aluminum hydride.

7. (Previously Added) The process according to claim 5 wherein said at least one complexhydride comprises lithium hydride.

8. (Previously Added) The process according to claim 5 wherein said at least one complexhydride comprises sodium hydride.

9. (Previously Added) The process according to claim 5 wherein said at least one complex hydride comprises a mixture of sodium aluminum hydride, lithium hydride, and sodium hydride.

10. (Previously Amended) The process according to claim 9 wherein said sodium aluminum hydride, said lithium hydride, and said sodium hydride are present in about equi-molar amounts.

11. – 13. (Canceled)

J. Bennett Mullinax, LLC
P O Box 26029
Greenville, SC 29616-1029
(V) 864 987 9696
(F) 864 987 9686